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(54) Title: **USE OF ALKALINE PHOSPHATASE FOR THE DETOXIFICATION OF LPS PRESENT AT MUCOSAL BARRIERS**

(57) Abstract: The present invention provides a use for alkaline phosphatase for the manufacture of a medicament for the preven-
tion or reduction of toxic LPS influx through a mucosal lining of a mammalian body cavity. A source of alkaline phosphatase is
administered for the prophylaxis or treatment of LPS mediated or exacerbated diseases. The invention also provides compositions
comprising a source of alkaline phosphatase for the prevention or reduction of (toxic) LPS influx or passage through mucosal layers.



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